

CLAIMS

1. A stereoscopic-vision image processing apparatus for generating a stereoscopic-vision image by composing a plurality of viewpoint images having a parallax with respect to each other, wherein the plurality of viewpoint images having the different viewpoints is managed together with assumed display information about an assumed display unit on which the composed stereoscopic-vision image is desired to be displayed.

2. The stereoscopic-vision image processing apparatus according to claim 1, wherein the assumed display information contains information about a type and/or a display size of the assumed display unit.

3. The stereoscopic-vision image processing apparatus according to claim 2, wherein in the assumed display information, assumed display size information for displaying the stereoscopic-vision image in an assumed display size thereof is contained.

4. The stereoscopic-vision image processing apparatus according to claim 1, wherein in the assumed display information, assumed display size information for displaying the stereoscopic-vision image in an assumed display size thereof is contained.

5. The stereoscopic-vision image processing apparatus according to claim 1, wherein a display size of the stereoscopic-vision image is controlled on the basis of at least the assumed display information.

6. The stereoscopic-vision image processing apparatus according to claim 5, wherein the assumed display information is the assumed display size information.

5 7. The stereoscopic-vision image processing apparatus according to claim 1, wherein when a display size of the stereoscopic-vision image is changed, a screen for informing the change in display size is displayed.

8. The stereoscopic-vision image processing apparatus according
10 to claim 1, wherein when the stereoscopic-vision image is displayed, it is decided whether a warning dialog-box is displayed based on at least a display size of the stereoscopic-vision image and/or the assumed display information.

15 9. The stereoscopic-vision image processing apparatus according to claim 8, wherein it is decided whether the warning dialog-box is displayed on the basis of a display lapse of time when the stereoscopic-vision image is displayed.

20 10. The stereoscopic-vision image processing apparatus according to claim 9, wherein it is decided whether the warning dialog-box is displayed on the basis of an accumulated value of a stereoscopic intensity of the stereoscopic-vision image that is accumulated over the display lapse of time when the stereoscopic-vision image is displayed.

25 11. The stereoscopic-vision image processing apparatus according to claim 8, wherein it is decided whether the warning dialog-box is displayed on the basis of assumed display size information contained in the assumed display information.

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12. The stereoscopic-vision image processing apparatus according to claim 8, wherein the warning dialog-box is displayed in response to expansion and/or reduction of a display size of the stereoscopic-vision image.

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13. The stereoscopic-vision image processing apparatus according to claim 11, wherein the warning dialog-box is displayed in response to expansion and/or reduction of a display size of the stereoscopic-vision image.

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14. The stereoscopic-vision image processing apparatus according to claim 11, wherein it is decided whether the warning dialog-box is display on the basis of a stereoscopic intensity of the stereoscopic-vision image and/or a display lapse of time of the stereoscopic-vision image.

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15. The stereoscopic-vision image processing apparatus according to claim 11, wherein it is decided whether the warning dialog-box is displayed on the basis of an accumulated value of the stereoscopic intensity.

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16. The stereoscopic-vision image processing apparatus according to claim 1, wherein the stereoscopic-vision image is composed of a right-viewpoint image and a left-viewpoint image having a parallax with respect to each other.

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17. The stereoscopic-vision image processing apparatus according to claim 16, wherein the right-viewpoint image and the left-viewpoint image are managed as one combined image and the assumed display information is managed as tag information of the combined image.

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18. A stereoscopic-vision image providing method for providing data of a stereoscopic-vision image which is generated by composing a plurality of viewpoint images having a parallax with respect to each other, wherein accessory information that is managed together with the data of the plurality of viewpoint images having different viewpoints and relates to an assumed display unit on which the stereoscopic-vision image is desired to be displayed is provided together with the data of the viewpoint images.

19. The stereoscopic-vision image providing method according to claim 18, wherein the accessory information is assumed display information.

20. The stereoscopic-vision image providing method according to claim 19, wherein the assumed display information contains information about a type and/or a display size of the assumed display unit.

21. The stereoscopic-vision image providing method according to claim 20, wherein in the assumed display information, assumed display size information for displaying the stereoscopic-vision image in an assumed display size thereof is contained.

22. The stereoscopic-vision image providing method according to claim 19, wherein in the assumed display information, assumed display size information for displaying the stereoscopic-vision image in an assumed display size thereof is contained.

23. The stereoscopic-vision image providing method according to claim 19, wherein a display size of the stereoscopic-vision image to be

displayed on a display screen on which the stereoscopic-vision image is displayed is controlled on the basis of at least the assumed display information.

5 24. The stereoscopic-vision image providing method according to claim 23, wherein the assumed display information is the assumed display size information.

10 25. The stereoscopic-vision image providing method according to claim 18, wherein the stereoscopic-vision image is composed of a right-viewpoint image and a left-viewpoint image having a parallax with respect to each other.

15 26. The stereoscopic-vision image providing method according to claim 25, wherein the right-viewpoint image and the left-viewpoint image are managed as one combined image and the assumed display information is managed as tag information of the combined image.

20 27. An image display method for generating a stereoscopic-vision image by composing a plurality of viewpoint images at least having a parallax with respect to each other, and displaying it, wherein stereoscopic-vision images having almost the same display size are displayed on at least two displays.

25 28. The image display method according to claim 27, wherein when a display size of the stereoscopic-vision image is changed, the change in display size is informed.

29. The image display method according to claim 27, wherein the warning dialog-box is displayed in response to expansion and/or reduction of a display size of the stereoscopic-vision image.